JATS

The new NISO Journal Article Tag Suite standard

STM E-Production Seminar 2012
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JATS and the NLM DTDs
JATS: What is it?

• Journal Article Tag Suite
• Continuation of NLM DTDs
• JATS v0.4: March 2011
• JATS 1.0: Aug 2012
• ANSI/NISO Z39.96-2012
Brief History of NLM

- National Library of Medicine
- NLM 1.0 introduced in 2003
- NLM 2.0 introduced in 2004
- NLM 3.0 introduced in 2008
- JATS = NLM 3.1
JATS tag sets

- Archiving and Interchange
- Journal Publishing
- Article Authoring
Adoption of NLM

- Wide adoption by publishers
- Built on best journal DTD features
- Community input and support
Atypon’s history with NLM

- Adopted NLM from the beginning
- On working committee
- Standard is built into our platform
@article-type
Advantages to publishers

- Interoperability
- Tool availability
- Community support
- Best practices
- Lower costs
JATS 1.0: What’s New
Multi-lingual support

• `@xml:lang` on most elements
• Repetition of structures
• “alternatives” wrappers
• Encode both language and script
Multi-lingual support

<contrib contrib-type="author" xlink:type="simple">
  <name-alternatives>
    <name name-style="eastern" xml:lang="ja">
      <surname>銘苅</surname>
      <given-names>泰明</given-names>
    </name>
    <name name-style="western" xml:lang="en">
      <surname>MEKARU</surname>
      <given-names>Yasuaki</given-names>
    </name>
  </name-alternatives>
</contrib>
小児における舌小帯短縮症の手術時期の検討

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小児口腔外科, 25 8 2011, 21(1): 69-72, 10.5555/21_69

Ankyloglossia is a commonly observed medical condition of which there has been very little investigation. Our purpose in the present study was to determine the appropriate time to conduct the corrective operation.

The study group consisted of 104 children with ankyloglossia, 78 males and 26 females, with an average age of 4.7 years. Speech disorder was the most frequent chief complaint. The patients found it most difficult to pronounce the Japanese syllables beginning with the sound つ. Frenulectomy was the most frequently performed therapeutic procedure. The results of our investigation indicated that the operation should be performed on patients aged four or older.

キーワード:舌小帯短縮症, 小児, 発音障害

引用文献
2) 野村 久男, 小児舌小帯切除症例における発音障害, 口腔誌, 42:717-721, 1003.
Clinical study of ankyloglossia in children

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Preadiatric Oral and Maxillofacial Surgery, 25 6 2011, 21(1): 60-72, 10.6665/21_60

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Keywords: ankyloglossia, child, speech disorder

References

Multi-lingual support

- `xml:lang="language-script-region"
- `xml:lang="ja-Hira"
  (Japanese written in Hiragana)
- `xml:lang="ja-Kana"
  (Japanese written in Katakana)
contrib-id element

• ORCID

  <contrib-id contrib-id-type="orcid">
  http://orcid.org/1792-3336-9172-961X
  </contrib-id>
What’s Next
Future needs

- Support for CME
- Issue markup
- Standard book support
BITS

- Book Interchange Tag Suite
- Version 0.2: October 2012
- Complete rework of NLM Book 3.0
- Improved TOC and index support
- Revised front, back, book body
- Not NISO at this time
JATS in practice

- ISO Standards Tag Set (ISOSTS)
- [https://www.iso.org/obp/ui/](https://www.iso.org/obp/ui/)
- Should you switch to JATS?
- Yes!